

# DEPARTMENT OF FIRE, RESCUE, AND EMERGENCY MANAGEMENT

## MEMORANDUM

Date: June 17, 2009

To: James Burton, Chairman, Fiscal Impact Committee

Thru: Paul Brown, Capital Budget Manager, Office of Capital Construction

Subject: Capital Facility Standard Recommendation

From: Joseph Pozzo, Chief, Department of Fire, Rescue, and Emergency Management

The Department of Fire, Rescue, and Emergency Management has completed a review of its Capital Facility Standard(s) in consultation with the Capital Budget Division and the Loudoun County Fire-Rescue Commission.

The FY 09 Adopted Capital Facility Standards for the Department of Fire, Rescue, and Emergency Management are:

Capital Facility	Building S.F.	Acres	Standard
Fire-Rescue Station	13,000	5	1:25,000 population
Fire-Rescue Station - west	13,000	5	1:10,000 population
1500-gpm Engine	N/A	N/A	1:10,000 population
1500-gpm Engine – west	N/A	N/A	1:10,000 population
ALS Ambulance	N/A	N/A	1:10,000 population
ALS Ambulance – west	N/A	N/A	1:10,000 population
Ladder Truck	N/A	N/A	1:25,000 population
Heavy Rescue Squad	N/A	N/A	1:50,000 population
Tanker – west	N/A	N/A	1:10,000 population
Brush Truck – west	N/A	N/A	1:10,000 population

The Department of Fire, Rescue, and Emergency Management is recommending the following Proposed FY 10 Capital Facility Standards to be reviewed by the Fiscal Impact Committee for a final recommendation to the Board of Supervisors.

Capital Facility	Building S.F.	Acres	Standard
Fire-Rescue Station	13,000 (*)	5	1:25,000 population
Fire-Rescue Station - west	13,000 (*)	5	1:10,000 population
1500-gpm Engine	N/A	N/A	1:10,000 population
1500-gpm Engine – west	N/A	N/A	1:10,000 population
ALS Ambulance	N/A	N/A	1:10,000 population

ALS Ambulance – west	N/A	N/A	1:10,000 population
Ladder Truck	N/A	N/A	1:25,000 population
Heavy Rescue Squad	N/A	N/A	1:50,000 population
Tanker - west	N/A (**)	N/A	1:10,000 population
Brush Truck - west	N/A (**)	N/A	1:10,000 population

*Notes:*

- (\*) Consolidation of multiple companies into a single station and/or stations constructed for/occupied by volunteer fire-rescue companies may dictate the need for additional programmatic square footage.
- (\*\*) Tanker and brush vehicles are clearly reflected as necessary resources to ensure effective service delivery in “western”, or rural areas of the County where open/forested fire hazards and/or limited firefighting water supply options exist. This does not preclude the need to strategically locate these types of vehicles in central or eastern parts of the County where similar hazard conditions and/or constraints on reliable water supply exist.

In closing, while the established capital facility standards have served the Department and local fire-rescue system well in planning for and timing the availability of essential capital facilities and assets, it is noteworthy that the “triggers” reflected in these standards are structured solely around residential population thresholds, and do not consider the service delivery demands and impacts of large, principally commercial developments or other non-residential projects that include significant target hazards that must be protected.